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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Ankenbauer *et al.*

Confirmation No.: 4731

Serial No.: 09/856,850

Art Unit: 1637

Filed: September 19, 2001

Examiner: Kim, Young J.

For: THERMOSTABLE ENZYME  
PROMOTING THE FIDELITY OF  
THERMOSTABLE DNA  
POLYMERASES FOR  
IMPROVEMENT OF NUCLEIC  
ACID SYNTHESIS AND  
AMPLIFICATION *IN VITRO*

Attorney Docket No.: 1803-279-999

**RESPONSE TO OFFICIAL ACTION UNDER 37 C.F.R. § 1.111**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants have carefully considered the Office Action mailed August 27, 2003. Reconsideration of the claims is respectfully requested in view of the amendments and remarks that follow. In this response, an amendment to the claims is presented beginning on page 2, while the accompanying remarks begin on page 3.

In addition, Applicants submit herewith:

- 1) Fee Transmittal Sheet (in duplicate);
- 2) Information Disclosure Statement;
- 3) List of References Cited by Applicant; and
- 4) Copies of the Cited References (two binders).